Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/22/2021 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124949	-1	1.23	124848	1.22
Blue	F	SSC	125000	124484	-1	2.48	124757	2.27
Blue	E	FITC	13131	12726	-4	2.34	293	15.19
Blue	D	PE	24112	23799	-2	1.69	544	10.53
Blue	B	PerCP-Cy5-5	31295	30574	-3	3.06	1013	14.26
Blue	A	PE-Cy7	19939	19832	-1	5.26	527	29.01
Red	C	APC	42122	41581	-2	2.93	1742	11.30
Red	A	APC-Cy7	22340	21703	-3	3.34	814	11.65
Violet	B	V450	7410	7028	-6	3.52	429	12.55
Violet	A	V500	28118	26585	-6	3.08	665	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23154	1.10	567	-2	N/A	N/A	Pass
Blue	F	SSC	58025	1.06	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0464	164	Pass
Blue	D	PE	114	37.06	488	0	0.4773	372	Pass
Blue	B	PerCP-Cy5-5	187	36.22	584	-2	0.0211	114	Pass
Blue	A	PE-Cy7	104	69.05	627	-1	0.0225	5	Pass
Red	C	APC	404	23.88	578	2	0.0286	206	Pass
Red	A	APC-Cy7	180	27.23	552	1	0.0062	844	Pass
Violet	B	V450	61	63.15	452	-1	0.0621	2418	Pass
Violet	A	V500	95	35.30	463	-2	0.0260	949	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/22/2021 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.55	-31.36	1.14
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.23	13.60 - 20.40	N/A	N/A	29.72	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12373

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments